

In the Specification

[0027] FIG. 3 summarizes the steps of operation for the transmitter circuits illustrated in FIGs. 1 and 2. A method of transmitting a RF signal comprising: providing of a lookup table (LUT) for storing of predistortion data; providing a power amplifier circuit for receiving a first analog RF signal and for providing the RF signal therefrom; receiving of a digital modulated signal; indexing of the LUT to provide indexed predistortion data; predistorting the digital modulated signal in dependence upon the indexed predistortion data to form a predistorted digital modulated signal; converting the predistorted digital modulated signal into an analog modulated signal; amplifying the analog modulated signal using the power amplifier to form the RF signal; sampling a portion of the RF signal; and, varying the index within the LUT that is used for indexing of the predistortion data stored therein for other than continuously changing the predistortion data that is used for predistorting of the digital modulated signal in dependence upon the sampled RF signal.